

Amendments to the specification:

Please replace the first paragraph on page 1, beginning at line 3, as follows:

GOVERNMENT RIGHTS

This invention was made with Government support under contract numbers DE13405 and AR46563 awarded by the National Institutes of Health, ~~and under contract numbers NAG9-836 and NCC8-174 awarded by NASA and under contract number R43 HD42352 awarded by the National Institutes of Health through SBIR~~. The Government has certain rights in this invention.

Please replace the second paragraph, which begins on page 17, line 12, as follows:

An exemplary anchor system is disclosed in applicant's co-pending application USSN 09/950,561, filed September 10, 2001 and currently pending. The matrix is attached to the anchors via contact with the anchor face or alternatively by actual penetration of the matrix material through the anchor material. Because the force applied to the matrix via the anchors dictates the final ligament produced, the size of the final ligament produced is, in part, dictated by the size of the attachment site of the anchor. One of skill in the art will appreciate that an anchor of appropriate size to the desired final ligament should be used. A preferred anchor shape for the formation of an ACL is a cylinder. However, one of skill in the art will appreciate that other anchor shapes and sizes will also function adequately. In a preferred embodiment, anchors have an appropriate size and composition for direct insertion into bone tunnels in the femur and tibia of a recipient of the bioengineered ligament.